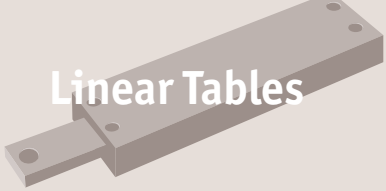


Size + Weight

For light/medium loads

L1020-L1037

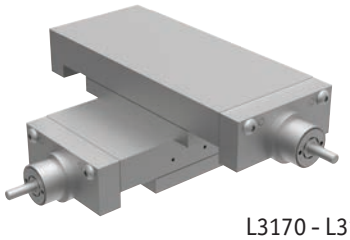
For heavy duty loads and motorised

L3000-L3500

Ball roller versions

L1024 - L1038

Needle roller & dovetail stage

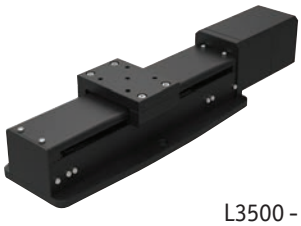


L3170 - L3194

Cross roller versions

L1020 - L1026

Motorised stages



L3500 - L3510

Stainless steel versions

L1022 - L1023

Micrometer driven stages

L3100 - L3123

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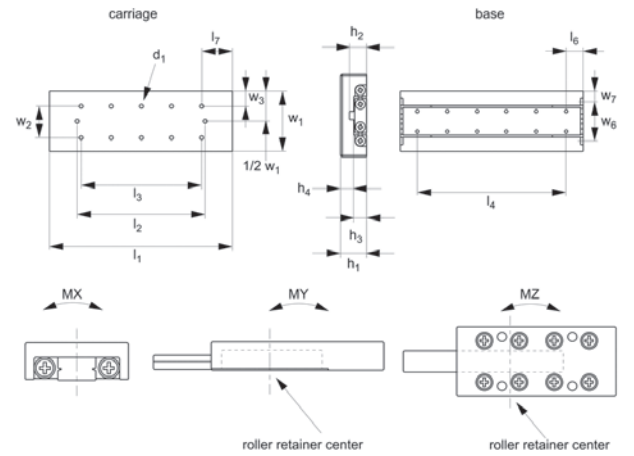
Stainless Cross Roller Slides
smaller sizes

L1022.web



Material
Body stainless steel (440C), nickel plated apart from rail V groove. Retainer stainless (304), rollers stainless (440C).

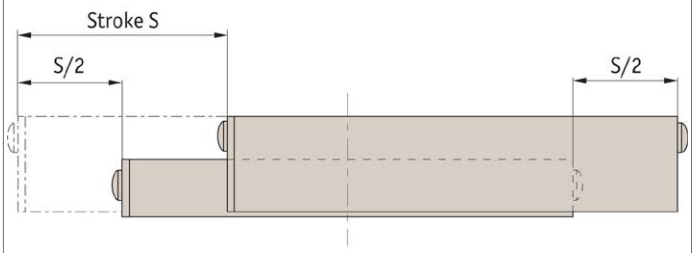
Technical Notes
Carriage top parallelism 3µ.
Carriage side parallelism 5µ.

Order No.	l_1	Stroke	Static load C_0 kN max.	w_1	l_2	h_1	Roller	l_3	l_4	l_5	l_6	w_2	w_3	Weight kg
L1022.030-012	25	12	0.57	30	2.5	8	1.5	-	10	20	7.5	10	10	0.09
L1022.030-018	35	18	0.86	30	4.5	8	1.5	10	10	26	7.5	10	10	0.12
L1022.030-025	45	25	1.1	30	6.0	8	1.5	10	10	33	7.5	10	10	0.16
L1022.030-032	55	32	1.4	30	7.5	8	1.5	10	10	40	7.5	10	10	0.19
L1022.030-040	65	40	1.7	30	8.5	8	1.5	10	10	48	7.5	10	10	0.23
L1022.030-045	75	45	2.3	30	11.0	8	1.5	10	10	53	7.5	10	10	0.26
L1022.030-050	85	50	2.6	30	13.5	8	1.5	10	10	58	7.5	10	10	0.30
L1022.040-018	35	18	1.1	40	3.0	15	3.0	-	15	29	10	15	12.5	0.20
L1022.040-030	50	30	4.5	40	4.5	15	3.0	15	15	41	10	15	12.5	0.29
L1022.040-040	65	40	4.5	40	7.0	15	3.0	15	15	51	17.5	15	12.5	0.36
L1022.040-050	80	50	7.6	40	9.5	15	3.0	15	15	61	10	15	12.5	0.46
L1022.040-060	95	60	6.0	40	12.0	15	3.0	15	15	71	17.5	15	12.5	0.52
L1022.040-070	110	70	9.1	40	14.5	15	3.0	15	15	81	17.5	15	12.5	0.63
L1022.040-080	125	80	9.1	40	17.0	15	3.0	15	15	91	25	15	12.5	0.69
L1022.060-030	55	30	4.5	60	5.5	18.5	3.0	-	25	44	15	25	17.5	0.65
L1022.060-045	80	45	7.6	60	10.8	18.5	3.0	25	25	59	15	25	17.5	0.95
L1022.060-060	105	60	10.6	60	15.5	18.5	3.0	25	25	74	15	25	17.5	1.25
L1022.060-075	130	75	12.1	60	20.8	18.5	3.0	25	25	89	15	25	17.5	1.55
L1022.060-090	155	90	15.2	60	25.5	18.5	3.0	25	25	104	15	25	17.5	1.85
L1022.060-105	180	105	18.2	60	30.5	18.5	3.0	25	25	119	15	25	17.5	2.15
L1022.060-130	205	130	19.7	60	30.5	18.5	3.0	25	25	144	15	25	17.5	2.45
L1022.080-050	85	50	9.3	80	10.5	24	4.0	-	40	64	22.5	40	20	1.14
L1022.080-075	125	75	14.0	80	18	24	4.0	40	40	89	22.5	40	20	1.68
L1022.080-105	165	105	16.3	80	23	24	4.0	40	40	119	22.5	40	20	2.22
L1022.080-135	205	135	21.0	80	28	24	4.0	40	40	149	22.5	40	20	2.76
L1022.080-155	245	155	25.7	80	38	24	4.0	40	40	169	22.5	40	20	3.30
L1022.080-185	285	185	30.4	80	43	24	4.0	40	40	199	22.5	40	20	3.84
L1022.080-215	325	215	35.0	80	48	24	4.0	40	40	229	22.5	40	20	4.38
L1022.100-060	110	60	21.0	100	16.5	31	6.0	-	50	77	30	50	25	2.33
L1022.100-095	160	95	26.3	100	23.5	31	6.0	50	50	113	30	50	25	3.42
L1022.100-130	210	130	36.8	100	31	31	6.0	50	50	148	30	50	25	4.51
L1022.100-165	260	165	47.3	100	38.5	31	6.0	50	50	183	30	50	25	5.57
L1022.100-200	310	200	57.9	100	46	31	6.0	50	50	218	30	50	25	6.66
L1022.100-235	360	235	68.4	100	53.5	31	6.0	50	50	253	30	50	25	7.75

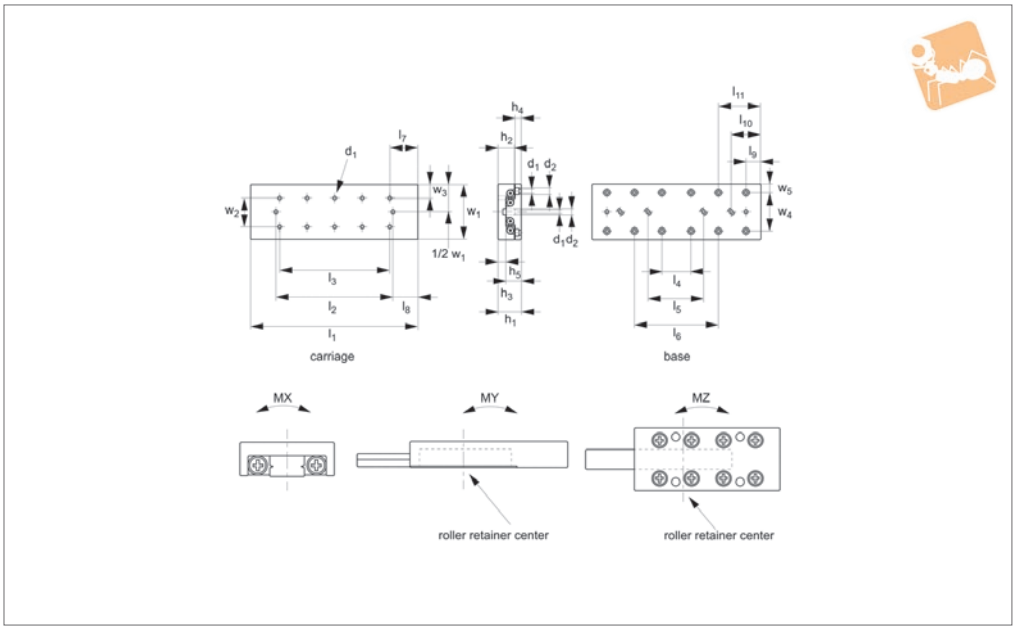
Order No.	l_1	Stroke	Static load C_0 kN max.	w_1	l_2	h_1	Roller	l_3	l_4	l_5	l_6	w_2	w_3	Weight kg
L1022.100-265	410	265	78.9	100	63.5	31	6.0	50	50	283	30	50	25	8.84
L1022.100-340	510	340	100.0	100	81	31	6.0	50	50	348	30	50	25	11.02
L1022.145-130	210	130	72741	145	27	42.5	9.0	-	100	156	55	85	30	9.08
L1022.145-180	310	180	101838	145	52	42.5	9.0	100	100	206	55	85	30	13.46
L1022.145-350	410	350	116386	145	12	42.5	9.0	100	100	376	55	85	30	17.74
L1022.145-450	510	450	145482	145	17	42.5	9.0	100	100	476	55	85	30	22.11
L1022.145-550	610	550	160031	145	17	42.5	9.0	100	100	576	5527	85	30	26.47

Order No.	w_4	w_5	w_6	w_7	h_2	h_3	h_4	d_1	Allowable load kN max.	Dyn. load C kN max.	Moment M_x Nm max.	Moment M_y Nm max.	Moment M_z Nm max.
L1022.030-012	12.8	8.6	-	15	11	7	4	M2	0.19	0.38	2.6	1.2	1.4
L1022.030-018	12.8	8.6	-	15	11	7	4	M2	0.28	0.52	3.9	2.6	3.0
L1022.030-025	12.8	8.6	-	15	11	7	4	M2	0.38	0.65	5.2	4.6	5.2
L1022.030-032	12.8	8.6	-	15	11	7	4	M2	0.48	0.78	6.5	7.2	7.9
L1022.030-040	12.8	8.6	-	15	11	7	4	M2	0.57	0.90	7.8	10.4	11.2
L1022.030-045	12.8	8.6	-	15	11	7	4	M2	0.77	1.1	10.4	18.4	17.3
L1022.030-050	12.8	8.6	-	15	11	7	4	M2	0.86	1.2	11.7	23.3	22.0
L1022.040-018	17	11.5	-	20	14	8	6	M3	0.39	0.89	7.0	3.1	3.9
L1022.040-030	13.1	13.5	-	20	15	7	8	M3	1.5	2.9	42.6	22.8	26.6
L1022.040-040	13.1	13.5	-	20	15	7	8	M3	1.5	2.9	42.6	22.8	19.0
L1022.040-050	13.1	13.5	-	20	15	7	8	M3	2.5	4.3	71.0	63.4	57.1
L1022.040-060	13.1	13.5	-	20	15	7	8	M3	2.0	3.6	56.8	40.6	45.7
L1022.040-070	13.1	13.5	-	20	15	7	8	M3	3.0	5.0	85.2	91.3	98.9
L1022.040-080	13.1	13.5	-	20	15	7	8	M3	3.0	5.0	85.2	91.3	83.7
L1022.060-030	26.6	16.7	17	21.5	18.5	10.5	8	M4	1.5	2.9	42.6	22.8	26.6
L1022.060-045	26.6	16.7	17	21.5	18.5	10.5	8	M4	2.5	4.3	71.0	63.4	57.1
L1022.060-060	26.6	16.7	17	21.5	18.5	10.5	8	M4	3.5	5.6	99.5	124	115
L1022.060-075	26.6	16.7	17	21.5	18.5	10.5	8	M4	4.0	6.2	113	162	172
L1022.060-090	26.6	16.7	17	21.5	18.5	10.5	8	M4	5.0	7.4	142	253	266
L1022.060-105	26.6	16.7	17	21.5	18.5	10.5	8	M4	6.0	8.6	170	365	350
L1022.060-130	26.6	16.7	17	21.5	18.5	10.5	8	M4	6.5	9.1	184	428	445
L1022.080-050	38	21	27	26.5	24	13	11	M5	3.1	6.6	124	87.3	76.4
L1022.080-075	38	21	27	26.5	24	13	11	M5	4.6	9.0	187	196	180
L1022.080-105	38	21	27	26.5	24	13	11	M5	5.4	10.2	218	267	286
L1022.080-135	38	21	27	26.5	24	13	11	M5	7.0	12.5	280	442	466
L1022.080-155	38	21	27	26.5	24	13	11	M5	8.5	14.6	343	660	690
L1022.080-185	38	21	27	26.5	24	13	11	M5	10.1	16.6	405	922	957
L1022.080-215	38	21	27	26.5	24	13	11	M5	11.6	18.6	467	1228	1187
L1022.100-060	42	29	26	37	31	16	15	M6	7.0	13.9	315	252	221
L1022.100-095	42	29	26	37	31	16	15	M6	8.7	16.6	394	394	434
L1022.100-130	42	29	26	37	31	16	15	M6	12.2	21.6	552	773	828
L1022.100-165	42	29	26	37	31	16	15	M6	15.7	26.2	710	1279	1207
L1022.100-200	42	29	26	37	31	16	15	M6	19.2	30.7	868	1910	1823
L1022.100-235	42	29	26	37	31	16	15	M6	22.8	35.0	1026	2668	2565
L1022.100-265	42	29	26	37	31	16	15	M6	26.3	39.1	1184	3552	3434
L1022.100-340	42	29	26	37	31	16	15	M6	33.3	47.5	1500	5194	5044
L1022.145-130	68.4	38.3	46	49.5	43	21	21	M8	24.2	46.9	1745	1697	1527
L1022.145-180	68.4	38.3	46	49.5	43	21	21	M8	33.9	61.1	2444	3326	3564
L1022.145-350	68.4	38.3	46	49.5	43	21	21	M8	38.7	67.9	2793	4345	4073
L1022.145-450	68.4	38.3	46	49.5	43	21	21	M8	48.4	80.8	3491	6789	6449
L1022.145-550	68.4	38.3	46	49.5	43	21	21	M8	53.3	87.0	3840	8214	8588

Stainless Cross Roller Slides
smaller sizes



The stroke is centered on the mid point of the slides
(ie 50% of the stroke each way)

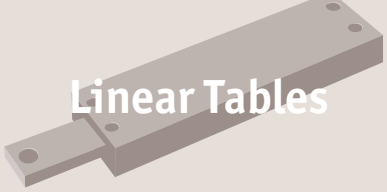


L1023.web

Material
Body stainless steel (440C), nickel plated apart from rail V groove. Retainer stainless (304), rollers stainless (440C).

Technical Notes
Carriage top parallelism 3µ.
Carriage side parallelism 5µ.

Order No.	l_1	Stroke	Static load C_0 kN max.	w_1	l_2	h_1	Roller	l_{10}	l_{11}	l_3	l_4	l_5	l_6	Weight kg
L1023.030-012	25	12	0.57	30	20	17	1.5	-	-	-	18	-	-	0.09
L1023.030-018	35	18	0.86	30	26	17	1.5	-	-	10	28	-	-	0.12
L1023.030-025	45	25	1.1	30	33	17	1.5	-	-	10	38	-	-	0.16
L1023.030.032	55	32	1.4	30	40	17	1.5	-	13.5	10	48	-	28	0.19
L1023.030.040	65	40	1.7	30	48	17	1.5	-	13.5	10	58	-	38	0.23
L1023.030-045	75	45	2.3	30	53	17	1.5	-	13.5	10	68	-	45	0.26
L1023.030-050	85	50	2.6	30	58	17	1.5	-	13.5	10	78	-	58	0.30
L1023.040-018	35	18	1.1	40	29	21	2.0	-	-	-	25	-	-	0.20
L1023.040-030	50	30	4.5	40	41	21	3.0	-	-	15	40	-	-	0.29
L1023.040-040	65	40	4.5	40	51	21	3.0	-	-	15	55	-	-	0.36
L1023.040-050	80	50	7.6	40	61	21	3.0	-	20	15	70	-	40	0.46
L1023.040-060	95	60	6.0	40	71	21	3.0	-	20	15	85	-	55	0.52
L1023.040-070	110	70	9.1	40	81	21	3.0	-	20	15	100	-	70	0.63
L1023.040-080	125	80	9.1	40	91	21	3.0	-	20	15	115	-	85	0.69
L1023.060-030	55	30	4.5	60	44	28	3.0	-	-	-	35	-	-	0.65
L1023.060-045	80	45	7.6	60	59	28	3.0	-	-	25	60	-	-	0.95
L1023.060-060	105	60	10.6	60	74	28	3.0	-	-	25	85	-	-	1.25
L1023.060-075	130	75	12.1	60	89	28	3.0	-	-	25	110	-	-	1.55
L1023.060-090	155	90	15.2	60	104	28	3.0	35	-	25	135	85	-	1.85
L1023.060-105	180	105	18.2	60	119	28	3.0	35	-	25	160	110	-	2.15
L1023.060-130	205	130	19.7	60	144	28	3.0	35	60	25	185	135	85	2.45
L1023.080-050	85	50	9.3	80	64	35	4.0	-	-	-	40	-	-	1.70
L1023.080-075	125	75	14.0	80	89	35	4.0	-	-	40	80	-	-	2.52
L1023.080-105	165	105	16.3	80	119	35	4.0	-	-	40	120	-	-	3.34
L1023.080-135	205	135	21.0	80	149	35	4.0	-	62.5	40	160	-	80	4.14
L1023.080-155	245	155	25.7	80	169	35	4.0	-	62.5	40	200	-	120	4.95
L1023.080-185	285	185	30.4	80	199	35	4.0	-	62.5	40	240	-	160	5.77
L1023.080-215	325	215	35.0	80	229	35	4.0	-	62.5	40	280	-	200	6.57
L1023.100-060	110	60	21.0	100	77	45	6.0	-	-	-	90	-	-	3.48
L1023.100-095	160	95	26.3	100	113	45	6.0	-	-	50	140	-	-	5.10
L1023.100-130	210	130	36.8	100	148	45	6.0	-	60	50	190	-	90	6.72
L1023.100-165	260	165	47.3	100	183	45	6.0	-	60	50	240	-	140	8.31
L1023.100-200	310	200	57.8	100	218	45	6.0	-	60	50	290	-	190	9.95
L1023.100-235	360	235	68.4	100	253	45	6.0	-	60	50	340	-	240	11.53

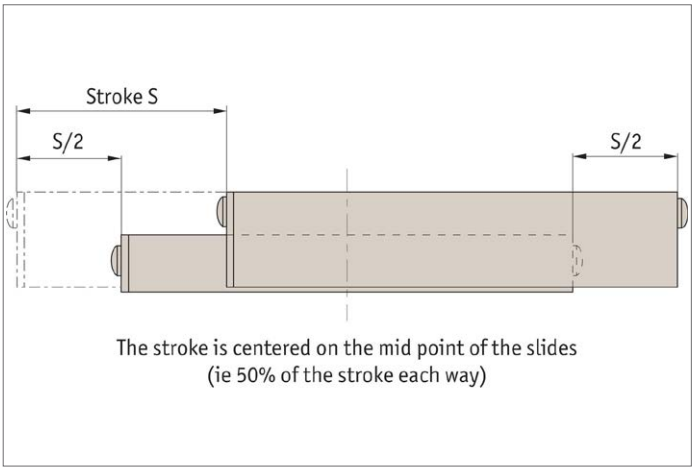


Stainless Cross Roller Slides

flanged, smaller sizes

Order No.	l_1	Stroke	Static load C_0 kN max.	w_1	l_2	h_1	Roller	l_{10}	l_{11}	l_3	l_4	l_5	l_6	Weight kg
L1023.100-265	410	263	78.9	100	283	45	6.0	-	60	50	390	-	290	13.16
L1023.100-365	510	365	84.6	100	390	45	6.0	-	60	50	490	-	390	16.52
L1023.145-130	210	130	72.7	145	156	60	9.0	-	-	-	100	-	-	13.11
L1023.145-180	310	180	101.8	145	206	60	9.0	-	-	100	200	-	-	19.44
L1023.145-350	410	350	116.3	145	376	60	9.0	155	-	100	300	100	-	25.65
L1023.145-450	510	450	145.4	145	476	60	9.0	155	-	100	400	200	-	31.97
L1023.145-550	610	610	160.0	145	576	60	9.0	155	-	100	500	300	-	38.22

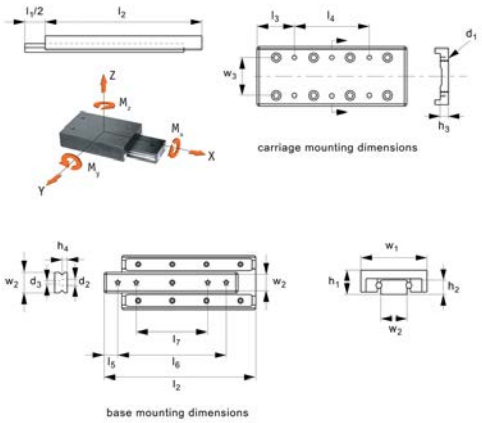
Order No.	l_7	l_8	l_9	w_2	w_3	w_4	w_5	h_2	h_3	h_4	d_1	Allowable load kN max.	Dyn. load C kN max.	Moment M_x Nm max.	Moment M_y Nm max.	Moment M_z Nm max.
L1023.030-012	12.5	2.5	3.5	10	10	22	4	11	10	5.5	2.55	0.19	0.38	2.6	1.2	1.4
L1023.030-018	12.5	4.5	3.5	10	10	22	4	11	10	5.5	2.55	0.28	0.52	3.9	2.6	3.0
L1023.030-025	12.5	6	3.5	10	10	22	4	11	10	5.5	2.55	0.38	0.65	5.2	4.6	5.2
L1023.030.032	12.5	7.5	3.5	10	10	22	4	11	10	5.5	2.55	0.48	0.78	6.5	7.2	7.9
L1023.030.040	12.5	8.5	3.5	10	10	22	4	11	10	5.5	2.55	0.57	0.90	7.8	10.4	11.2
L1023.030-045	12.5	11	3.5	10	10	22	4	11	10	5.5	2.55	0.77	1.1	10.4	18.4	17.3
L1023.030-050	12.5	13.5	3.5	10	10	22	4	11	10	5.5	2.55	0.86	1.2	11.7	23.3	22.0
L1023.040-018	17.5	3	5	15	12.5	30	5	8	13	6.5	3.5	0.39	0.89	7.0	3.1	3.9
L1023.040-030	17.5	4.5	5	15	12.5	30	5	14	14	5.5	3.5	1.5	2.9	42.6	22.8	26.6
L1023.040-040	17.5	7	5	15	12.5	30	5	14	14	5.5	3.5	1.5	2.9	42.6	22.8	19.0
L1023.040-050	17.5	9.5	5	15	12.5	30	5	14	14	5.5	3.5	2.5	4.3	71.0	63.4	57.1
L1023.040-060	17.5	12	5	15	12.5	30	5	14	14	5.5	3.5	2.0	3.6	56.8	40.6	45.7
L1023.040-070	17.5	14.5	5	15	12.5	30	5	14	14	5.5	3.5	3.0	5.0	85.2	91.3	98.9
L1023.040-080	17.5	17	5	15	12.5	30	5	14	14	5.5	3.5	3.0	5.0	85.2	91.3	83.7
L1023.060-030	27.5	5.5	10	25	17.5	40	10	18.5	17.5	9	4.5	1.5	2.9	46.6	22.8	26.6
L1023.060-045	27.5	10.8	10	25	17.5	40	10	18.5	17.5	9	4.5	2.5	4.3	71.0	63.4	57.1
L1023.060-060	27.5	15.5	10	25	17.5	40	10	18.5	17.5	9	4.5	3.5	5.6	99.5	124	115
L1023.060-075	27.5	20.8	10	25	17.5	40	10	18.5	17.5	9	4.5	4.0	6.2	113	162	172
L1023.060-090	27.5	25.5	10	25	17.5	40	10	18.5	17.5	9	4.5	5.0	7.4	142	253	266
L1023.060-105	27.5	30.5	10	25	17.5	40	10	18.5	17.5	9	4.5	6.0	8.6	170	365	350
L1023.060-130	27.5	30.5	10	25	17.5	40	10	18.5	17.5	9	4.5	6.6	9.1	184	428	445
L1023.080-050	42.5	10.5	22.5	40	20	60	10	24	22	10.5	5.5	3.1	6.6	124	87	76
L1023.080-075	42.5	18	22.5	40	20	60	10	24	22	10.5	5.5	4.6	9.0	187	196	180
L1023.080-105	42.5	23	22.5	40	20	60	10	24	22	10.5	5.5	5.4	10.2	218	267	286
L1023.080-135	42.5	28	22.5	40	20	60	10	24	22	10.5	5.5	7.0	12.4	280	442	466
L1023.080-155	42.5	38	22.5	40	20	60	10	24	22	10.5	5.5	8.5	14.6	343	660	690
L1023.080-185	42.5	43	22.5	40	20	60	10	24	22	10.5	5.5	10.1	16.6646	405	922	957
L1023.080-215	42.5	48	22.5	40	20	60	10	24	22	10.5	5.5	11.6	18.6	467	1228	1187
L1023.100-060	55	16.5	10	50	25	60	20	31	29	13	7	7.0	13.9	315	252	221
L1023.100-095	55	23.5	10	50	25	60	20	31	29	13	7	8.7	16.5	394	394	434
L1023.100-130	55	31	10	50	25	60	20	31	29	13	7	12.2	21.5	552	773	828
L1023.100-165	55	38.5	10	50	25	60	20	31	29	13	7	15.7	26.2	710	1279	1207
L1023.100-200	55	46	10	50	25	60	20	31	29	13	7	19.2	30.7	868	1910	1823
L1023.100-235	55	53.5	10	50	25	60	20	31	29	13	7	22.8	25.0	1026	2668	2565
L1023.100-265	55	63.5	10	50	25	60	20	31	29	13	7	26.3	39.1	1184	3552	3434
L1023.100-365	55	60	10	50	25	60	20	31	29	13	7	28.2	45.1	1269	4568	4441.
L1023.145-130	105	27	55	85	30	90	27.5	43	38.5	16	9	24.2	72.7	1745	1697	1527
L1023.145-180	105	52	55	85	30	90	27.5	43	38.5	16	9	33.9	101.8	2444	3326	3564
L1023.145-350	105	12	55	85	30	90	27.5	43	38.5	16	9	38.7	116.3	2793	4345	4073
L1023.145-450	105	17	55	85	30	90	27.5	43	38.5	16	9	48.4	145.4	3491	6789	6449
L1023.145-550	105	17	55	85	30	90	27.5	43	38.5	16	9	53.3	160.0	3840	8214	8588


Stroke S
S/2
S/2
The stroke is centered on the mid point of the slides
(ie 50% of the stroke each way)

Low Profile Crossed Roller Table

anti-corrosion, nickel plated

L1027.SS



Material

Steel body (S50C), nickel plated.
Nickel plated cross roller rails and fasteners, steel rollers, stainless steel roller cages.

Technical Notes

Straight line accuracy: 3µ/25mm of travel.
Positional repeatability: 3µ.
Coefficient of friction: 0,003.

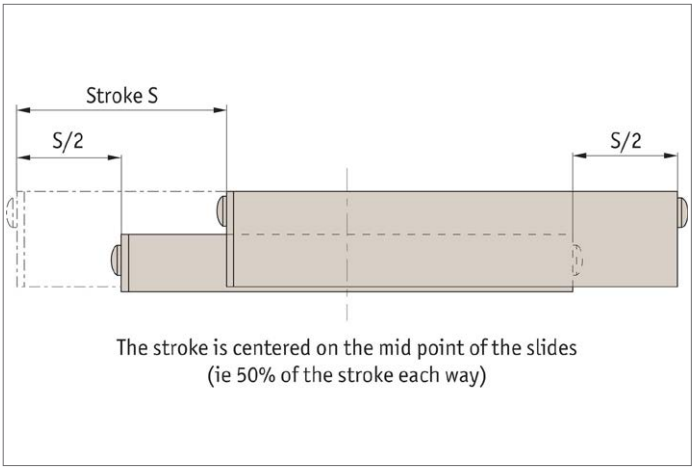
Tips

Stroke is centred on the mid-point of the slides (ie 50% of total stroke each way).

Order No.	Stroke l_1	Load kg max.	w_1 ±0.1	l_2	h_1 ±0.1	l_3	l_4	l_5	l_6	l_7	w_2	w_3
L1027.020-012-SS	12	23	20	25	8	3.5	1x18	3.5	18	-	6.6	14
L1027.020-018-SS	18	32	20	35	8	3.5	1x28	5.0	25	-	6.6	14
L1027.020-025-SS	25	47	20	45	8	12.5	1x20	3.5	38	25	6.6	14
L1027.020-032-SS	32	54	20	55	8	12.5	1x30	3.5	48	29	6.6	14
L1027.020-040-SS	40	60	20	65	8	12.5	2x20	5.0	55	31	6.6	14
L1027.020-045-SS	45	73	20	75	8	22.5	1x30	5.0	65	35	6.6	14
L1027.020-050-SS	50	79	20	85	8	12.5	2x30	5.0	75	40	6.6	14
L1027.030-018-SS	18	40	30	35	12	3.5	1x28	5.0	25	-	12.0	22
L1027.030-030-SS	30	63	30	50	12	3.5	1x43	7.5	35	-	12.0	22
L1027.030-040-SS	40	75	30	65	12	17.5	1x30	5.0	55	33	12.0	22
L1027.030-050-SS	50	95	30	80	12	17.5	1x45	5.0	70	40	12.0	22
L1027.030-060-SS	60	105	30	95	12	17.5	2x30	5.0	85	45	12.0	22
L1027.030-070-SS	70	120	30	110	12	32.5	1x45	7.5	95	50	12.0	22
L1027.030-080-SS	80	130	30	125	12	17.5	2x45	7.5	110	55	12.0	22
L1027.040-030-SS	30	126	40	55	16	7.5	1x40	7.5	40	-	16.0	30
L1027.040-045-SS	45	183	40	80	16	7.5	1x65	6.0	68	43	16.0	30
L1027.040-060-SS	60	220	40	105	16	27.5	1x50	7.5	90	55	16.0	30
L1027.040-075-SS	75	275	40	130	16	27.5	1x75	7.5	115	65	16.0	30
L1027.040-090-SS	90	310	40	155	16	27.5	2x50	7.5	140	95	16.0	30
L1027.040-105-SS	105	355	40	180	16	52.5	1x75	7.5	165	85	16.0	30
L1027.040-130-SS	130	375	40	205	16	27.5	2x75	7.5	190	90	16.0	30

Order No.	h_2	h_3	h_4	d_1	d_2	d_3	Moment M_x Nm max.	Moment M_y Nm max.	Moment M_z Nm max.	No. of base holes	No. of carr holes
L1027.020-012-SS	4	3.5	2.5	M2	3.9	2.6	0.80	1.29	1.33	2	4
L1027.020-018-SS	4	3.5	2.5	M2	3.9	2.6	1.04	2.59	2.71	2	4
L1027.020-025-SS	4	3.5	2.5	M2	3.9	2.6	1.51	4.55	4.79	4	4
L1027.020-032-SS	4	3.5	2.5	M2	3.9	2.6	1.74	5.36	5.63	4	4
L1027.020-040-SS	4	3.5	2.5	M2	3.9	2.6	1.94	8.16	8.33	4	6
L1027.020-045-SS	4	3.5	2.5	M2	3.9	2.6	2.27	11.5	12.1	4	4
L1027.020-050-SS	4	3.5	2.5	M2	3.9	2.6	2.55	13.9	14.6	4	6

Order No.	h_2	h_3	h_4	d_1	d_2	d_3	Moment M_x Nm max.	Moment M_y Nm max.	Moment M_z Nm max.	No. of base holes	No. of carr holes
L1027.030-018-SS	6	5.5	3.8	M4	6.1	4	2.35	3.06	3.21	2	4
L1027.030-030-SS	6	5.5	3.8	M4	6.1	4	3.71	6.49	6.80	2	4
L1027.030-040-SS	6	5.5	3.8	M4	6.1	4	4.41	9.92	10.4	4	4
L1027.030-050-SS	6	5.5	3.8	M4	6.1	4	5.58	15.3	16.1	4	4
L1027.030-060-SS	6	5.5	3.8	M4	6.1	4	6.17	20.0	21.0	4	6
L1027.030-070-SS	6	5.5	3.8	M4	6.1	4	7.05	26.4	27.7	4	4
L1027.030-080-SS	6	5.5	3.8	M4	6.1	4	7.64	32.4	34.1	4	6
L1027.040-030-SS	8	7.5	5.2	M5	8.3	5.2	9.87	14.8	15.5	2	4
L1027.040-045-SS	8	7.5	5.2	M5	8.3	5.2	14.4	31.0	32.6	4	4
L1027.040-060-SS	8	7.5	5.2	M5	8.3	5.2	17.2	48.5	50.9	4	4
L1027.040-075-SS	8	7.5	5.2	M5	8.3	5.2	21.5	74.7	78.4	4	4
L1027.040-090-SS	8	7.5	5.2	M5	8.3	5.2	24.2	100	105	4	6
L1027.040-105-SS	8	7.5	5.2	M5	8.3	5.2	27.8	136	142	4	4
L1027.040-130-SS	8	7.5	5.2	M5	8.3	5.2	29.4	158	166	4	6



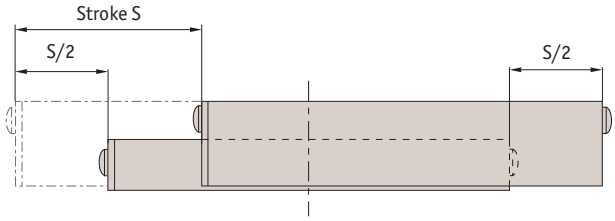
The stroke is centered on the mid point of the slides
(ie 50% of the stroke each way)

Linear Tables

Overview

Factors affecting stage selections...

- Size and weight of load
- Moment loads
- Stroke required
- Accuracy required
- Usage conditions of water, chemicals, shock loads etc.



The stroke is centred on the mid point of the slides (i.e. 50% of the stroke each way).

Generally ball slides are less expensive but cross roller slides can carry 8 to 10 times the load of ball slides.

A selection...

L1020 Crossed roller tables	L1022/23 Cross roller table	L1024 Ball slide tables
 Steel and aluminium, accuracy typically 5µ.	 Stainless Steel, accuracy typically 3µ.	 Aluminium, accuracy typically 12µ.
L1026 **Crossed roller slide tables**	**L1028** **Precision ball slide tables**	**L1029** **Precision crossed roller tables**
 Aluminium, accuracy typically 5µ.	 Aluminium, accuracy typically 3µ.	 Aluminium, accuracy typically 3µ.
L1034 **Flanged ball slide tables - precision**	**L1038** **Anti-creep ball slide tables**	**L1039** **Non-magnetic ball slide**
 With flange accuracy to 1µ.	 Special anti-creep function prevents cage misalignment.	 Non-magnetic accuracy typically 3µ.

Steel - L1020

- Standard steel / cast iron

Aluminium - L1021

- Lower weight, lower profile
- Good for high accelerations

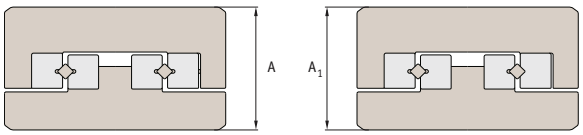
Stainless steel - L1022 + L1023

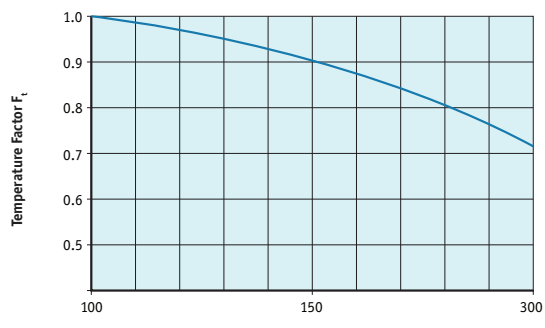
- Stainless steel (440C+Ni) corrosion resistant

Rated life

$$L\,(Km) = \left(\frac{F_t \cdot C}{F_w P_c}\right)^{3.33} \times 100$$

F_t = temperature factor
F_w = load factor
C = basic dynamic load (kN) see tables
P_c = radial load (kN)



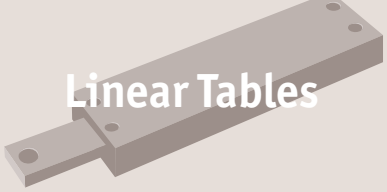


Height tolerance:

- Height ±100µ
- Motorised parts ±10µ
- Strokes from 10 to 950mm
- Loads to 48kN

Load factor F_w

Shock	Speed	F_w
None	Very slow	1.0 - 1.2
Small	Slow	1.2 - 1.5



Cross Roller Linear Tables

Technical

Technical accuracy measurments

- High accuracy.
- Low friction: virtually frictionless. Providing stable performance at lower high speeds.
- Rigid: incorporating cross roller linear rails to provide high load capacity as well as high moment load capacity.
- Installation: easy to install with pre-drilled holes in carriage and base. Ensure mounting surface faces are accurately machined.

Table accuracy (µ)			Rail accuracy (µ)		
Table length	Carriage top parallelism	Carriage side parallelism	N tolerance	M tolerance	Straightness
0-50	2	4			2
50-100	2	5			2
100-150	3	6			3
150-200	3	7			3
200-250	3	7			3
250-300	3	7	-15	-30	3
300-350	4	8	-35	-70	4
350-400	4	8			4
400-450	4	8			4
450-500	4	8			4
500-550	4	9			4
550-600	4	9			4